

031600BTB - General Iron Industries Inc

## - SOURCE DATA -

SOURCE  
IDS AND  
LOCATION

AIRS: 17-031-1421	IEPA USE ONLY	SIC 1: 5093	NAICS 1: 423930
FINDS: ILD025136094	IEPA USE ONLY	SIC 2:	NAICS 2:
FEIN: 362278214		SIC 3:	NAICS 3:
D&B:		SIC 4:	NAICS 4:
LATITUDE: 41:54:57.1752		SIC 5:	NAICS 5:
LONGITUDE: 87:39:33.6744		SIC 6:	NAICS 6:

SOURCE  
ADDRESSGeneral Iron Industries Inc  
1909 N Clifton Ave  
Chicago, IL 60614-4893CONTACT: James Kallas  
PHONE: 847-508-9170  
FAX: 773-327-8732  
E-Mail:

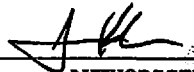
EXT:

ANNUAL  
EMISSION  
REPORT  
MAILING  
ADDRESSGeneral Iron Industries Inc  
1909 N Clifton Ave  
Chicago, IL 60614-4893CONTACT: James Kallas  
PHONE: 847-508-9170  
FAX: 773-327-8732  
E-MAIL:

EXT:

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.



AUTHORIZED SIGNATURE

4/27/2012

DATE

James Kallas

TYPED OR PRINTED NAME AND TITLE

847-508-9170

TELEPHONE NUMBER

The Illinois EPA is authorized to require, and you must disclose, the information on this form pursuant to 35 Ill. Adm. Code 201.302(a, b) and 254. It is not necessary to use this form in providing the information. Failure to disclose the information may result in penalties as provided for in the Environmental Protection Act, 415 ILCS 5/24-45.

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## - ANNUAL SOURCE EMISSIONS -

POLLUTANT CODE	SOURCES REPORTED EMISSIONS FOR 2011 (TONS/YEAR)	ALLOWABLE EMISSIONS (TONS/YEAR)	EMISSIONS REPORTED FOR 2010 (TONS/YEAR)	IEPA 2011 ESTIMATED EMISSIONS (TONS/YEAR)
PART	23.2575	133.160400	21.980600	8.359000
PM10	11.6400	66.650200	10.995600	4.179500

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## - PERMIT LISTING -

PERMIT NUMBER	TYPE OF PERMIT	OPERATION NAME	STATUS	STATUS DATE	EXPIRES
-----	-----	-----	-----	-----	-----
05080046	TITLE V	METAL SHREDDING			
81050001	OPERATING	METAL SHREDDERS	GRANTED	09-01-2004	09-01-2005

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## - PROCESS DATA -

POINT 0001 - 2 SHREDDERS

PERMIT: 81050001

BEGAN OPERATION: 05 / 1981

SCC: 30300999

CEASED OPERATION: /

MODE 01 -

DESCRIPTION CORRECTION:

PERCENT THROUGHPUTS:

DEC - FEB: 25.00 % MAR - MAY: 25.00 %

BEGAN OPERATION: 05 / 1981

JUN - AUG: 25.00 % SEP - NOV: 25.00 %

CEASED OPERATION: /

UNITS: TONS PRODUCED

UNITS: TONS PRODUCED

ANNUAL OPERATION			PEAK OZONE SEASON OPERATION	
HOURS/DAY:	8.0	10.0	HOURS/DAY:	10.0
DAYS/WEEK:	5.0	5.0	DAYS/WEEK:	5.0
WEEKS/YEAR:	50	50	WEEKS/SEASON:	13
HOURS/YEAR:	2,000	2,500	HOURS/SEASON:	650
PWR (LB/HR):	785,260.0000	598,356	START TIME:	
RATE/HR:	392.6300	299.18	END TIME:	
			PWR (LB/HR):	598,356
			RATE/HR:	299.18

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## - PROCESS DATA -

POINT 0001 - 2 SHREDDERS

PERMIT: 81050001

BEGAN OPERATION: 05 / 1981

SCC: 30300999

CEASED OPERATION: /

MODE 01 -

POLLUTANT CODE	METHOD		EMISSION FACTOR		EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED
PART	2	2			1.32	1.83 1.74
PM10	2	2			.66	.91 0.87

POLLUTANT CODE	METHOD		EMISSION FACTOR		OZONE SEASON EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED

## CAPTURING CONTROLS:

CONTROL 0001 CAPTURE EFFICIENCY: 100.00 %

## CAPTURING STACKS:

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## - PROCESS DATA -

POINT 0004 - 2 METAL SEPARATOR SYSTEMS

PERMIT: 81050001

BEGAN OPERATION: 07 / 2000

SCC: 30300999

CEASED OPERATION: /

MODE 01 -

DESCRIPTION CORRECTION:

PERCENT THROUGHPUTS:

DEC - FEB: 25.00 % MAR - MAY: 25.00 %

BEGAN OPERATION: 07 / 2000

JUN - AUG: 25.00 % SEP - NOV: 25.00 %

CEASED OPERATION: /

UNITS: TONS PRODUCED

UNITS: TONS PRODUCED

ANNUAL OPERATION			PEAK OZONE SEASON OPERATION	
HOURS/DAY:	15.0	<u>15.0</u>	HOURS/DAY:	<u>15.0</u>
DAYS/WEEK:	5.5	<u>6.0</u>	DAYS/WEEK:	<u>6.0</u>
WEEKS/YEAR:	50	<u>50</u>	WEEKS/SEASON:	<u>13</u>
HOURS/YEAR:	4,125	<u>4,500</u>	HOURS/SEASON:	<u>1,170</u>
PWR (LB/HR):	347,360.0000	<u>333,020</u>	START TIME:	
RATE/HR:	173.6800	<u>166.51</u>	END TIME:	
			PWR (LB/HR):	<u>333,020</u>
			RATE/HR:	<u>166.51</u>

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## - PROCESS DATA -

POINT 0004 - 2 METAL SEPARATOR SYSTEMS

PERMIT: 81050001

BEGAN OPERATION: 07 / 2000

SCC: 30300999

CEASED OPERATION: /

MODE 01 -

POLLUTANT CODE	METHOD		EMISSION FACTOR		EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED
PART	3	3			6.4	9.77 9.37
PM10	3	3			3.2	4.89 4.69

POLLUTANT CODE	METHOD		EMISSION FACTOR		OZONE SEASON EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED

## CAPTURING CONTROLS:

CONTROL 0003 CAPTURE EFFICIENCY: 100.00 %

## CAPTURING STACKS:

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## - CONTROL DEVICE DATA -

CONTROL 0001 - WATER SUPPRESSION

PERMIT: 81050001

BEGAN OPERATION: 05 / 1981

CONTROL CODE: 217

CEASED OPERATION: /

DESCRIPTION CORRECTION:

## REMOVAL EFFICIENCY

POLLUTANT	ANNUAL OPERATION				PEAK OZONE SEASON OPERATION			
	EFFICIENCY		METHOD		EFFICIENCY		METHOD	
	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED
PART	90.000							
PM10	90.000							

CAPTURING CONTROLS:

CAPTURING STACKS:

STACK 0001 CAPTURE EFFICIENCY: 100.00 %



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## - CONTROL DEVICE DATA -

CONTROL 0003 - MULTICLYCLONE

PERMIT: 81050001

BEGAN OPERATION: 07 / 2000

CONTROL CODE: 121

CEASED OPERATION: /

DESCRIPTION CORRECTION:

## REMOVAL EFFICIENCY

POLLUTANT	ANNUAL OPERATION				PEAK OZONE SEASON OPERATION			
	EFFICIENCY		METHOD		EFFICIENCY		METHOD	
	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED
PART	98.000							
PM10	95.000							

CAPTURING CONTROLS:

CAPTURING STACKS:

STACK 0003 CAPTURE EFFICIENCY: 100.00 %

## - STACK DATA -

STACK	DIAMETER (FT)	HEIGHT (FT)	FLOW RATE (ACFM)	TEMPERATURE (F)
0001 - SHREDDER #2 (100 TON/HR)	2.50	40	20000	70
0003 - METAL SHREDDER WITH WATER SUPPRESSION SYSTEM & CYC	6.60	96	74271	314

Report: APCA0531

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
DAPC - ANNUAL EMISSIONS REPORT - 2011

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Date: 04-25-2012

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